

Special procedures will be required to excavate, stabilize and dispose of waste acidic rock during construction in this area. See Section VII, C. of this document for discussion of special handling associated with acidic rock. Impact to acidic rock will be minimized by reducing cut slope gradients in the acidic (“hot”) rock area to  $\frac{1}{4}$ :4.

Please see **Figure 3** for a depiction of the roadway alignment for this alternative.

**F. Comparison of SR 1364 in Macon County and SR 1114 in Swain County (Needmore Road)**

**Table 2** presents a comparison of the alternatives. **Figure 3** shows the build alternatives in plan view.

**Table 2: Comparison of Alternatives**

| Resource                                 | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E      |
|--|---------------|---------------|---------------|---------------|--------------------|
| Railroad Crossings                       | 0             | 0             | 0             | 0             | 0                  |
| Schools                                  | 0             | 0             | 0             | 0             | 0                  |
| Recreational Areas and Parks             | 1             | 1             | 1             | 1             | 1                  |
| Churches                                 | 0             | 0             | 0             | 0             | 0                  |
| Cemeteries                               | 0             | 0             | 0             | 0             | 0                  |
| Major Utility Crossings                  | 0             | 0             | 0             | 0             | 0                  |
| National Register Eligible Properties    | 0             | 0             | 0             | 1             | 1                  |
| Archaeological Sites                     | 0             | 0             | 0             | 0             | 0                  |
| Federally-Listed Species within Corridor | 13            | 13            | 13            | 13            | 13                 |
| 100-Year Floodplain Crossings            | 1             | 1             | 1             | 1             | 1                  |
| Prime Farmland                           | 0             | 0             | 0             | 0             | 0                  |
| Residential Relocations                  | 0             | 0             | 0             | 0             | 0                  |
| Business Relocations                     | 0             | 0             | 0             | 0             | 0                  |
| Hazardous Material Sites                 | 0             | 0             | 0             | 0             | 0                  |
| Wetland Impacts                          | 0 acres       | 0 acres       | 0 acres       | 0.023 acres   | 0.044 acres        |
| Stream Crossings                         | 14            | 14            | 14            | 14            | 14                 |
| Stream Impacts                           | 0 lf          | 0 lf          | 0 lf          | 4,988 lf      | 2,224 lf           |
| Riparian Buffer Impacts                  | 0 acres       | 0 acres       | 0 acres       | 17.6 acres    | 18.1 acres         |
| Terrestrial Natural Community Impacts    |               |               |               |               |                    |
| - Maintained/Disturbed                   | 0 acres       | 0 acres       | 0 acres       | 7.0 acres     | 7.0 acres          |
| - Mixed Pine Hardwood                    | 0 acres       | 0 acres       | 0 acres       | 1.8 acres     | 1.8 acres          |
| - Montane Alluvial Forest                | 0 acres       | 0 acres       | 0 acres       | 6.1 acres     | 6.1 acres          |
| - Acidic Cove Forest                     | 0 acres       | 0 acres       | 0 acres       | 1.9 acres     | 1.9 acres          |
| - Montane Acidic Cliff                   | 0 acres       | 0 acres       | 0 acres       | 1.8 acres     | 1.8 acres          |
| - White Pine Forest                      | 0 acres       | 0 acres       | 0 acres       | 1.6 acres     | 1.6 acres          |
| Acidic or “hot” Rock                     | 0 cubic yards | 0 cubic yards | 0 cubic yards | 0 cubic yards | 24,201 cubic yards |
| Substantial Noise Impacts                | 0             | 0             | 0             | 0             | 0                  |